

**ABSTRACT**

A tray transferring apparatus for transferring a handling tray on which semiconductor devices are mounted prevents the semiconductor devices from being scattered or separated from the handling tray. The tray transferring apparatus includes a fixing means installed on a main frame for supporting a fixed tray, a correcting means installed on the main frame for correcting the position of the fixed tray, a gripping means installed on the main frame for gripping a handling tray, and at least one sensor for sensing gripper plates and the handling tray. A fixed tray is held by the fixing means, and right/left inclination of the fixed tray is corrected by the correcting means. An upper portion of a handling tray holding semiconductors is covered by the bottom of the fixed tray and is gripped by the gripping means.